

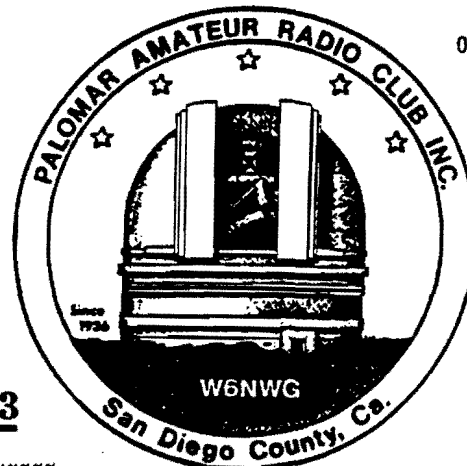
VOLUME XX NUMBER 10

Scope

W6NWG

Palomar Amateur Radio Club Inc.

Post Office Box 73, Vista, California 92085-0073



OCTOBER ***** 1994 ** 58 YEARS OLD

Volume XX, Number 10

Published monthly by PARC, an ARRL Special Service Club. Membership \$12 including \$3 for SCOPE. Outside SDC \$4. Coffee 7pm, Mtg. 7:30pm @ Carlsbad Safety Center (CSC), Palomar Airport Rd. to N. on Camino Real (S11), east on Faraday .25 mi, left to CSC, TB 14F6. Talk-in on 146.73

OPEN REPEATERS / CLOSED AUTOPATCHES
PARC PALOMAR MT. REPEATERS (W6NWG):

PARC W6NWG trustee: Ron-WI6B
Autopatches(4): 146.73-, 147.075+*
147.13+*, 449.425+*

PACKET: 145.05s; RTTY: 146.700+*
SIMPLEX: 145.350s, 145.520s, 446.000s
ATV: 1241.25T(out) / 919.25R(in),
ATV Intercom 146.43s PL 79.7Hz.

COVERING 2000 SQ-MI OF SDCo.
OTHER: 224.380-*KK6KD; 224.9-*WD6HFR
146.175+*WA6IPD; *A11 107.2Hz

***** C A L E N D A R *****

Oct 1 Sat. PALBBS starts on 145.070
Oct 2, 3rd Annual SD Round-Up M. Park
Oct 2 Sun. M.S. 150 Bike Tour 147.130
=====

Oct 5 Wed. CLUB MEETING AUCTION

=====

Oct 8 Sat. PARC VE Tests Carlsbad SC
Oct 9 Sun. WORKPARTY REPEATER SITE==
Oct 13 Thu. PARC 7pm Board Meeting
Oct 21 Fri. Deadline 4 SCOPE articles
Oct 24 Tue. SCOPE mailed at Vista PO

NEXT MEETING VP KC6UQH

VP Art McBride-KC6UQH has announced that the October club meeting will be the club's annual AUCTION. (see AUCTION this page).

There will be NO SHOW & TELL this month because of the auction.

- P A L B B S -

PALBBS stands for Palomar ARC's new BBS with the PAL standing for PAL(omar). This is somewhat similar to PALMAR (Palomar) in PARC's Packet node, W6NWG-1. PALBBS will be W6NWG-3. The name assigned can only have six letters in it which accounts for the "o" missing in "PALMAR."

We hope that PALBBS will ultimately develop into a full service BBS under the direction of John-KE6CDH and his little helpers: Gail-KM6WF, Ellen-N6UWW, Marvin-N6PKK and others. John and PARC hope that PALBBS will become the "PAL" of all club members who use PALBBS.

PALBBS will go into limited action October 1st with equipment furnished by PARC (MFJ-270B & 12vdc Power supply) and items borrowed from John (xvtr and computer). The BBS will be located at John's QTH in Oceanside and will operate 24 hours a day with more and more sections of the BBS being opened as experience is gained and control is established.

Look for your PAL (PALBBS) on 145.07 MHz. You can access PALBBS directly from the Oceanside area, through the Escondido Node of Marvin-N6PKK (ESCN), or through a 145.07 NODE on Palomar Mountain. PARC hopes that in the near future members will be provided with a different frequency to increase the speed and availability of PALBBS.

John-KE6CDH is a computer programmer who has been working as a consultant during the SDCO recession.

- A U C T I O N -

loud, silent and otherwise

-- the humor is free --

The October 5th meeting will be the club's annual auction. High priced items don't usually sell well at these auctions, so be prepared to carry them home if they don't sell. Items selling for \$1 to \$100 usually go more quickly. Don't forget to bring \$\$ and/or your checkbook to take advantage of the great buys that traditionally accompany these auctions.

See state of the art items of 10-30yr ago and watch sellers cry as they part with their beloved treasures ..and buyers eyes light up with glee with each new purchase as they successfully buy something they can't live without ..and bring back next year!

Art-KC6UQH, hancha (el jeffe), is promising dancing girls which Dennis-N6KI, former auction chairman, never produced ..promises, promises!

Steve Kerrin-WA6CDU of the Escondido EARS Club has consented to again be our auctioneer and will be assisted by Art and others too humorous to mention.

Auction rules have again been approved by PARC's Board and are essentially the same as last year:

1) 6:30pm, sellers sign-in, tag equipment.

2) 7:00pm, buyers sign-in and bidders receive identification flags. Inspect equipment before the auction so you know what you are bidding on.

3) PARC receives 10% of the sale price and there is no fee for

buyers or sellers. Donations to PARC are accepted.

5) All monies R paid to PARC.

6) Seller(s) may set a minimum bid on their items.

7) Seller is responsible for removing any items not sold.

8) PARC does not guarantee the condition of any items sold.

9) You don't have to be a PARC member to participate in the Auction so invite your friends to join in on the fun.

10) Sellers will not be paid their money until all monies have been collected that evening so bring an SASE if you want the check mailed to you the next day ..or pick it up at the next club meeting. Those wishing to hang around until the "bitter end" can leave with their check "in hand."

PARC assumes no responsibility for items you place on the table so make sure they are well marked with your call. SEE YOU AT THE AUCTION.

*** PARC SILENT AUCTION ***

PARC will have a special table(s) for their SILENT auction. Marked items will have tags for you to write your bid on but you will need to keep checking since someone after you might write down a higher bid. At the end of the auction the highest bidder gets the item.

PARC will also have an area with items four for \$1. You pick any four items and pay your \$1 ..sorry, \$1 is the minimum that we will accept.

BOARD MEETING (voting):

VPPresident: Art Mc Bride, KC6UQH
Secretary : Nash Williams, W6HCD
Treasurer : Jennifer Thieme, KM6WG
RTechnical : John Kuivinen, WB6IQS
SCOPE/etc : Stan Rohrer, W9FQN
Board Member: Mike Doyle, AB6QT
Board Member: Rick Zimmermann, KC6LV
(non-voting)

OTHERS: Sybil-W6GIC-ATV, Jo-KB6NMK
Training/FD/ATV: Bill Smith, KB6MCU
Constitution: Jack Hanthorn-KI6JM
BBS: John-KE6CDH, Gail-KM6WF, Oscar-KD6EDC, & Ellen-N6UWW.

- Excused absence -

President : Harry Hodges, WA6Y00
Membership : Ralph Powell, KC6WAN
The meeting was at the QTH of

Stan-W9FQN and Barbara-KA6FPS since Harry-WA6Y00 and Gerry-N6TCB had to make an unexpected trip to see Harry's father who was very ill.
***** WORKPARTY OCT 9:
Painting, cleanup, grounding, etc.



If your antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate!

Radio systems installation, repair and removal, and interference resolution.

Edward Ross, N6GZI
**Antenna
Specialties**
542-1405

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

Printed Circuit Board Design

J.T. (Tim) Low
N6ZUC

Phone or Fax @ (619) 735-9125

2946 Amanecer Place
Escondido, CA 92027

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

- SECONDS -

DISCUSSED: EquipBal \$1185, Gen \$7508, PrePd \$1995, PO \$50, ATV \$50; Oct/Dec programs; auction; workparties; phone controller to N6ZUC; ATV 2.4GHz link problems; 12 students in KB6MCU Gen class; TASMA comments; Sybil-W6GIC ATV\$\$ report noted; etc.

APPROVED: \$36 trailer license; picnic prizes \$250 and ham \$75; \$70 digital voice unit for earthquake detector; appointed Nash-W6HCD (ch), Jo-KB6NMK, and Ellen-N6UWW to nomination committee; 3min candidate talk for Dec election; \$75 packet chip and deviation hardware; Newsline bill; Americas United rent free until Dec31st; W9FQN signing papers for repeater site trailer and new metal building; notification of 220 Club of SDCO on deadline for their new repeater along with size limitations; BBS is called PALBBS; etc.

Please contact one of the board members for more info or see the secretary for written minutes.

We all missed Harry-WA6Y00's brownies but Stan-W9FQN furnished homemade CW cookies. The CW cookies were made during the 7-8pm Wednesday CW net on 147.075 and were made with a dot of this and a dash of that.

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

LAST MEETING

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

Attendance was 113 members and 15 guests for a total of 128. PLEASE COME EARLY and help set up chairs.

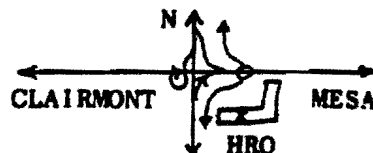
Thanks to Rod-AC6V for an excellently prepared program on Packet with lots of overhead projections. He was ably assisted by John-KD6CDH at the overhead. Chuck-KD6ZSH and Tom-KE6HRL between them produced the transparencies for the overhead projector which is a great way of presenting material.

SHOW & TELL featured Jim Cooper, NE60, with his computerized electronic "pigeon" and Art-KC6UQH with his all wave active antenna (long wave thru 2m) ..with adjustable shape.

ART-KB6YHZ supervised the coffee with BECKY-KE6BUE and Gerry Jones supervising the drink and goodie table with members bringing goodies: Sybil-W6GIC, Jerry-N6TCB, Bill-KM6PY, Mario-KE6JOJ, Paul-N6ISC, George-K6YGK, "J"-KD6PBH, Becky-KE6BUE, Marvin-KD6YJB, & Jerry Jones.



"LARGEST HAM OUTLET IN THE WORLD"
ALL MAJOR BRANDS IN STOCK NOW!



Open:
10a.m. - 5:30p.m.
Monday thru Saturday

560-4900

or toll free 1-800-854-6046

5375 KEARNY VILLA ROAD, SAN DIEGO

PRESIDENTIAL QRM WA6Y00

Our annual picnic at Dixon Lake was well attended and I hope everyone had a good time. The weather was very nice, the food was delicious, and I for one thoroughly enjoyed myself.

At the picnic I had the pleasure to thank many people for their contributions to the club and to Amateur Radio in general. It is certainly the volunteers who make our hobby so great.

Since the picnic I have contemplated the whole subject of volunteerism and wondered why some folks are willing to devote their time and energies while others seem to be content to sit and be entertained. I wonder if it is something in the genes.

Marvin, WB6PKK, is always involved in something. His father volunteered to go to Korea when the 40th Division was activated even though his age would have kept him home. Ellen, N6UWW, is involved in more activities than I can count,

her dad, a ham, also gets involved. I am sure I could fill the SCOPE with other examples.

While I was back in Maryland, sitting next to my father's bed as his body surrendered to cancer, I recalled his life of volunteerism. In WW-II at the age of 40 he volunteered to serve in the US Army although prior service in the Marines (and his age) would have exempted him from the draft. For over 30 years in his home state of Mississippi he served in the Coast Guard Auxiliary, using his boat to rescue boaters in distress along the gulf coast. He was continually involved with his community of Pass Christian and with his church.

Surely Stan, W9FQN; Jo, KB6NMK, Dee, N6ELP; Bill, KB6MCU, Art, KC6UQH; Sybil, W6GIC; and the many others who are our net controls, workers at the repeater site, participants at Field Day, members of RACES/ARES/EVAC/RED FLAG, etc. have enough to do with their jobs and families to say "my plate is full". But no, when there is a job to be done they step for-

ward and do it.

If you are not yet involved somewhere as a volunteer, step forward and say: "Here, let me help".

73, Harry WA6Y00.

MEMBERSHIP KC6WAN

NEW CLUB MEMBERS wanting confirmation of their membership and/or an autopatch information sheet and/or FCC 610 form should send to me at the club's address a (S)elf-(A)ddressed (S)tamped (E)nvelope (SASE) requesting same or see me at the next meeting. =SK= ASSOCIATE members who have received their new calls should report them to me along with their expiration dates ASAP so that our records can be updated. =SK=

The club is selling PARC blue hats with the PARC logo on it for \$5 and we are also selling the commemorative HAM 5c STAMP PINS for \$5. See me at meetings. =SK=

PLEASE CHECK YOUR ADDRESS LABEL TO SEE WHEN YOUR MEMBERSHIP NEEDS TO BE RENEWED. IF IT READS 9407, THEN THIS IS YOUR LAST SCOPE

AND YOU WILL NEED TO RENEW IMMEDIATELY to keep your membership current and to have access to the club's autopatches.

THANKS TO ALL OF YOU WHO ARE RENEWING OR SIGNING UP FOR MORE THAN ONE YEAR. WITH OVER 4,000 BLANKS TO FILL IN THE COMPUTER AT THE END OF THE CLUB YEAR ON JULY 31ST, IT CAN REDUCE MY WORK LOAD BY HALF (on the average).

(new)/(RENEWED in CAPS):

2yrs= 01d: JORGE-KK6KD

1yr= New: CHARLIE-W6RGR

GEORGE-KE6KTD MARK-NL7IY 01d:
WAYNE-WD6AHX

NEW CALL: Bill Hamer =>
KE6LSX.

There would have been more listed but I "had to leave town."

73, Ralph 727-7415

ELECTIONS 94-95

The Palomar Amateur Radio Club is a very large club of around 800 members which operates entirely from volunteer labor in many areas of amateur radio. PARC has been lucky over the years to secure good officers and board members with only a few or no changes being made in the board from year to year which keeps a new board from "re-inventing the wheel" every election. A stable board, hopefully, does not make the same mistake twice and remembers how things have been done successfully in the past. A stable board possibly does not move or respond as quickly as an all new board but a stable board creates less friction where there are so many points of view in a large membership.

The 1994 Board Members (9) are:

-- Elected --

Pres. : Harry Hodges, WA6Y00 3yr
V.P. : Art Mc Bride, KC6UQH 3yr
Sec. : Nash Williams,*W6HCD 6yr
Treas. : Jennifer Thieme, KM6WG 1yr

-- Elected --

Board M.:Mike Doyle, AB6QT 1yr
Board M.:Rick Zimmermann, KC6LV 1yr

-- Appointed --

RTech. : John Kuivinen, WB6IQS 15yr
Rptr/NewsLtr:Stan Rohrer,W9FQN 11yr
Membership:Ralph Powell, KC6WAN 2yr

*Indicates a desire to step down
PARC's V-president, Art-KC6UQH, in the absence of President Harry-WA6Y00, appointed a nominating committee at the SEPTEMBER 15th Board meeting with the approval of the Board: Nash-W6HCD Chairman, Jo-KB6NMK, and Ellen-N6UWW members. They will be introduced at the OCTOBER 5th club meeting. Robert's Rules of Order provides that the nominating committee will select a ticket of one person for each position.

At the NOVEMBER 2nd club meeting the nominating committee will present their selection and nominations will be accepted from the floor for each of the elected positions. Nominations from the floor should have the prior approval of the person being nominated.

At the DECEMBER 7th club meeting the nominees will be introduced and the Board voted to allow each candidate an opportunity to speak for three minutes before any voting takes place. If there is only one nominee for a position, no opportunity will be provided for statements of qualifications. The newly elected officers are installed at the end of the December club meeting.

In connection with Section 8(F) of the club's by-laws, if there are more than one nominations for an office, it would seem that space could be made available for statements of qualification in the SCOPE.

- - - - -

8(A)THE OFFICERS OF THE CORPORATION SHALL BE THE PRESIDENT, VICE PRESIDENT, SECRETARY, AND TREASURER.

8(B) THE BOARD OF DIRECTORS SHALL CONSIST OF AT LEAST SIX BUT NO MORE THAN NINE DIRECTORS UNTIL CHANGED BY AMENDMENT TO THESE BYLAWS. THE EXACT NUMBER OF DIRECTORS SHALL BE FIXED, WITHIN THOSE LIMITS, BY A RESOLUTION ADOPTED BY THE BOARD OF DIRECTORS.

A(C) FOUR OF THE DIRECTORS SHALL BE THE FOUR OFFICERS OF THE CORPORATION. THE OTHERS SHALL BE SEPARATELY ELECTED. THREE OTHER

DIRECTORS SHALL BE DESIGNATED BY THE PRESIDENT FROM AMONG THE CHAIRMEN OF THE STANDING COMMITTEES ENUMERATED IN SUBSECTION (T) BELOW. SUBJECT TO THE APPROVAL OF THE PRESIDENT, MEMBERS WHO ARE NOT DIRECTORS MAY ATTEND BOARD MEETINGS BUT MAY NOT VOTE AND MAY PARTICIPATE IN DISCUSSIONS ONLY TO THE EXTENT PERMITTED BY THE PRESIDENT.

8(E) THE PRESIDENT SHALL APPOINT A NOMINATING COMMITTEE TO SELECT QUALIFIED CANDIDATES FOR ELECTION AS OFFICERS AND DIRECTORS NO LATER THAN THE OCTOBER REGULAR MEETING. THE NOMINATING COMMITTEE SHALL MAKE ITS REPORT AT THE NOVEMBER REGULAR MEETING. MEMBERS MAY NOMINATE CANDIDATES FOR OFFICER OR DIRECTOR FROM THE FLOOR OF THE NOVEMBER MEETING. ADDITIONALLY, AT ANY TIME THAT THERE ARE MORE THAN 500 FULL MEMBERS OF THE CORPORATION, MEMBERS MAY NOMINATE OFFICERS OR DIRECTORS BY PRESENTING TO THE PRESIDENT A PETITION SIGNED WITHIN ELEVEN MONTHS PRECEDING THE ELECTION BY AT LEAST TWO PERCENT OF THE FULL MEMBERS. THE ELECTION SHALL BE HELD AT THE DECEMBER MEETING, WITH THE NEW OFFICERS AND DIRECTORS BEING INSTALLED AS THE FINAL ORDER OF BUSINESS AT THE DECEMBER MEETING.

8(F) THE BOARD SHALL FORMULATE PROCEDURES SUCH THAT NOMINEES SHALL BE ALLOWED A REASONABLE OPPORTUNITY TO COMMUNICATE TO MEMBER(S) THE NOMINEE'S QUALIFICATIONS AND REASONS FOR THE NOMINEE'S CANDIDACY, A REASONABLE OPPORTUNITY TO SOLICIT VOTES, AND A REASONABLE OPPORTUNITY FOR MEMBERS TO CHOOSE AMONG THE NOMINEES.

8(T) THE FOLLOWING SHALL BE CONSIDERED STANDING COMMITTEE CHAIRMEN WITHIN THE MEANING OF SUBSECTIONS (C) AND (S) ABOVE, FROM WHOM THE PRESIDENT MAY DESIGNATE DIRECTORS:

- (1)THE EDITOR OF THE NEWSLETTER
- (2)THE REPEATER SITE CHAIRMAN
- (3)THE REPEATER TECHNICAL CHAIRMAN
- (4)THE MEMBERSHIP CHAIRMAN

THESE AND OTHER STANDING COMMITTEE CHAIRMEN SHALL BE APPOINTED BY THE PRESIDENT.

 WB6IQS REPEATERS W9FQN

The morning and evening commute groups are getting VERY LARGE and it is causing some problems with members of the group only able to make several transmissions during their commute to work time ..and the groups are soooo large that you forget WHO is in the group and what order has been established. PLEASE, when you are in large groups of this type, suggest to those of similar interests to yours that you might want to move to 147.13 or 147.075 during the morning and evening commutes. The commute groups ARE TOO LARGE for good QSO's! It is ok, and recommended, that you meet on 146.73 (a calling repeater), but move off to one of our other repeaters ASAP. IF YOU DON'T USE IT, YOU LOOSE IT! It should also be noted that 147.075 and 147.13 are fertile grounds for inviting some of the users of these repeaters to be PARC members.

All of the PARC repeaters were checked 09-11 for proper SWR, frequency, deviation, power output, etc. by John-WB6IQS and they are all within the proper limits.

146.7: A request has been made to TASMA to try Packet on the RTTY repeater as a test. If the request is granted, we will probably allow RTTY on the rest of the hour that 146.73 is being used for the National Traffic System messages. It should be remembered that PARC allowed RTTY on 146.73 on Sunday evenings years ago. RTTY helps the NTS system pass messages after they are "spoken for" on the PARC SDCTN (NTS system) each evening at 8pm. =SK=

145.05: A new Net ROM will probably be ordered sometime soon along with a frequency deviation kit so that members will be able to check their Packet deviation. A PARC BBS is being worked on but will probably be changed to another frequency ASAP. Contact John-KE6CDH for more information. =SK=

224.38: (Americas United): Still has a relay problem which

should be solved by the end of October. =SK=

their antenna mast. =SK=

449.425: Wants to break into oscillation from time to time for unknown reasons creating all sort of weird noises. We hope that it will do it sometime when we are working at the site.

The Navy and Marine based RADAR shows up on many frequencies including the 70cm band where there are many amateur repeaters and links. If you have a strong signal, it is possible to "override" the radar but weak signals many times get obliterated resulting in very poor communications.

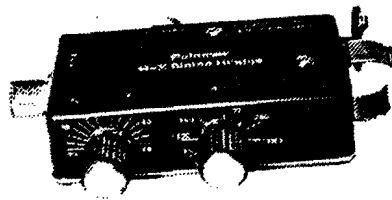
Those of you who use 449.425 will need a good strong signal to overcome the radar when it is present. You might not hear it on the incoming autopatch but the person you are talking to is probably very distracted by it. =SK=

 All coax lines into the new building (freezer) are protected by lightning "strippers" and by POLYPHASE lightning arrestors with gas discharge tubes. Work parties have already started installing "strippers" at the tower before the heliax bends and should be finished sometime in October. The equipment in the old building (146.7 RTTY, 145.05 Pkt, and 70cm backbone Pkt are last on the list because they are further away from the tower and there is a lot of inductance in the 30' of additional cable. It also looks as if some of this equipment will be moved to one of the new metal buildings early in 1995. =SK=

A new(er) all metal building(s?) will be obtained in October and "dug" into the ground but not used until next year. These low profile building(s) have approximately 3' of their 6.5' height dug into the ground. These newer metal buildings will be the most fire resistant of all of PARC's buildings. =SK=

There has been some talk of installing an HF station and HF antennas in the newly installed trailer at the site. Anyone interested? There will also be sleeping facilities but we would need a

R-X Noise Bridge



- Learn the truth about your antenna.
- Find its resonant frequency.
- Adjust it to your operating frequency quickly and easily.

If there is one place in your station where you cannot risk uncertain results it is in your antenna.

The price is \$79.95 in the U.S. and Canada. Add \$4.00 shipping/handling. California residents add sales tax.



Send for FREE catalog describing the R-X Noise Bridge and our complete line of SWR Meters, Preamplifiers, Toroids, Baluns, VLF Converters, and Loop Antennas.

Palomar Engineers

Box 455, Escondido, CA 92033
 Phone: (619) 747-3343

224.9: The 220 Club of SD has been notified that their repeater in our block building must be reduced in size. It is taking up to 4-times the space of the Americas United 224.38 repeater sitting next to it. The deadline is July 31st, 1995, or they will be charged 4-times the rent! (Board action 09-15-94 -Ed) PARC needs a iron tube several feet in diameter (to be filled with cement) and several feet long as a counter balance for

porta-pottie. How about a QRP rig? Just imagine, you could get into our repeaters "full quieting" with only low power! =SK=

Your repeater site chairman, W9FQN, continues to be amazed at how club members look out for the club's needs for the repeater site and are able to find donated items for us: 80' tower (Bob-WA6QQQ), 16 tons of cement (John-WB6MEI), metal building (Mike-AB6QT), batteries (WA6UTQ), metal building (Mike-KC6VHI), and all of the others who have donated smaller items to the operation of the site. Your looking out for PARC is greatly appreciated. It helps PARC and our Emergency Service commitment to the San Diego area.

PARC is still looking for fencing for protection of the tower. In the last few months we have noted that several houses in the immediate area have been sold and there are little kids in these families so we need to protect "them" from "us." We are also looking for someone that would be able to supervise the modification of the club's 3.5KW generator over to LP gas. This generator uses a battery for a "self start" feature and PARC would be able to turn it on and control it from any spot in SDCo by radio.

We are also looking for someone or a group who would be interested in working on a remote DFing (direction finding) unit or a remote "finger printing" of stuck transmitters or jammer transmitters. We also now have a new group that is interested in Earthquake Location finding. =SK=

WBGFMT AUTOPATCHES W9FQN

#1 Autopatch patch protector had a high pitch beeping the first week in September which showed up on almost all autopatches run through VISTA. The problem was traced to a low battery indicator in the patch protector. Replacing the battery did away with the beeping. The beep did not interfere with the autopatches being run.

#2's control computer went into "never-never" land the first week in September and all attempts at normal control failed. It should be working properly at this time and has been modified to accept many prefixes which are also in the patch #3 area. Remember, every phone number can be accessed by at least ONE (many by 2) of our patches so if you have a problem in #2, then try #3 and vice versa.

#3 has been expanded to accept even more prefixes so that it now covers many of the same prefixes as covered by patch #2.

----- U.S. Postal Service -----

STATEMENT OF OWNERSHIP, MAN., & CIR.

1A. S C O P E

1B. # 0 7 6 5 3 0

2. 09 - 15 - 94

3. Monthly (12 issues/yr)

4. PARC Inc., 30311 Circle R Lane
Valley Center CA 92082-4806

5. PARC Inc., 30311 Circle R Lane
Valley Center CA 92082-4806

6. Pub: Stan Rohrer, 30311 Cir. R Ln.
Valley Center CA 92082-4806
Ed: Stan Rohrer, 30311 Cir. R Ln.
Valley Center CA 92082-4806
Managing Ed: Stan Rohrer (above)

7. Palomar Amateur Radio Club, Inc.
P.O. Box 73, Vista CA 92082-0073

8. No Bondholders, mortgagees, etc.

9. Status has not changed in 12 Mo.

X= Ave # Cpy ea. issue last 12 Mo.

Y= Actual Cpy last issue (Sept 94)

10. Extent of Circulation

A. TOTAL COPIES (net)

B. 1. Paid/requested

2. Mail Subscription

C. TOTAL PD and/or Req.

D. Free Distribution

E. TOTAL Distribution

F. Copies not distributed

1. Office

2. Returned

G. TOTAL

Editor: Stan Rohrer, W9FQN

Signed: *Stan E. Rohrer*

***** EARL-W6YYV ILL:

Pacemaker implant at Kaiser Hospital and doing well.

***** HAM STAMP PINS:

Replica of ham postage stamp, \$5.

Contact an officer at the next meeting.



- N E W S -

Contributions should arrive by the 20th of the month.

Tournament Of Roses Radio Amateurs (TORRA) is looking for amateurs to help with the Rose Bowl Parade. 1st meeting is Saturday October 1 at 1pm. Call Cliff-KB6IA at 213-257-3293 in Pasadena or for info contact Ellen-N6UWW yesterday.

(Dave-WD8LOY ALL@USA) I have transcribed the Novice Question Pool into grade two braille. Now, the Technician Pool is available also. For further info call me at 214-235-9821. de Larry-WA6UTQ

Ellen-N6UWW and Kitty-N6KVN, on the spur of the moment, borrowed Jo-KB6NMK's DFing antenna and entered the SWDIVCON T-hunt Sunday afternoon after the main activities of the convention. Kitty drove while Ellen worked the 4-el direction finding quad. THEY CAME IN 4TH and just missed 3rd being passed at the last minute by KE6VK, Paul, who was using a doppler unit. Craig, N6ATQ, was the 7th hunter to find the hidden transmitter. The hunt lead them off of I-8 into the Sunrise Highway and Pine Valley area on Kitchen Creek road (It is our understanding that the antenna came in 2nd last T-hunt!). =SK=

Joel-KM6XA passed his EXTRA CLASS. He says, "if I can do it, anybody can!" =SK=

Ellen-N6UWW passed her GENERAL CODE test at the SWDIVCON and now has her General Class License. =SK= USGSBB, 1-800-358-2663, N-8-1 F.D., 1200b -de Ellen-N6UWW.

=SK= The widow of Guglielmo Marconi died July 15, 1994, at age 94. de ARRL LETTER.

Be sure to look at your FCC license expiration date after any changes. As of 6-8-94 it is not an automatic 10-year term. -de FCC.

CQ magazine will celebrate 50 years of publishing in 1995 with a special January anniversary issue. de ARRL.

***** WORKPARTY OCT 9:
Painting, cleanup, grounding, etc.

 FORESAIL

Yawl Ketch On?

Ph/send ads 2 W9FQN (C Ed's addr) B4 20th of mo. w/ur NAME, CALL, Ph #, & CITY. Personal ads FREE 2 members. Others cost 25c/col. line (35spaces). =SK=

PARC #1, Hundreds of feet of 1.12" 3-stranded rope with each strand composed of 18-strands for a total of 54 strands. This is the type of rope you would like to get stranded with! Would make great tow rope for cars, trucks, barges, rope to tie up the kids with or that extra large dog (KB6NMK needs some), rope to tie up drifting oil tankers, etc. Keep your kids at home!: Stan W9FQN 749 0276 VC.

PARC #2, PARC is selling their maritime fleet! Rough water cruiser WITH TRAILER, winch(s), wench(s), 50cal, lights, ores, etc. See to appreciate. Bring lifesaver(s) & ur own amo, cheap! OBO & BYOB: Stan W9FQN 749 0276 V.C.

PARC #3, SIEMENS electronic RTTY w/screen, chad punch/read, keyboard, stand, etc. Must take home to appreciate: Stan W9FQN 749 0276 VC

(09-13) Collins S-Line 75S3 \$250, 32S3 & pwr suply \$300 (winged emblem, gud condx, cables, manuals): Pete K6JQE 755 4838 S.Beach.

(09-13) ICOM IC-24AT 2m/70cm HT w/encode decode PL, 200mah bat w/charger, 1200mah bat \$300 or trade HF xcvr?; G6-144B in box never used 2m/gain ant \$80: Mike WB6CSH POB 2831 Fort Bragg CA 95437.

(09-12) TS-820 HF xcvr \$350: Glenn WB6BOD 748 4783.

(09-10) Kenwood 120 M/Mie, cables ex cond \$325; Atlas 210X W/HB AC, mic, mobile rack w/cables, gud starter rig \$210; Commodore C-64 & printer ok for RTTY-CW or packet, both \$125: Larry W7HKI 439 5855 Ocsd.

(09-10) Kenwood TS-940S xcvr w/auto tuner 2-CW filters mint non-smoker \$1150; ICOM IC-28A 2m 25w xcvr \$225: Duane AA6EE 789 3674

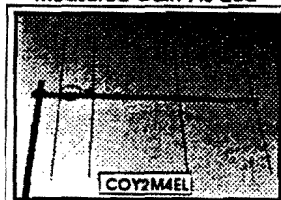
Ramona.

(08-16) SWR & Pwr meter STRUTHERS DIRECTIONAL w/case 2-30MHz 144-470MHz 70-470MHz \$130: Lief KE6BZP 223 4983 SD.

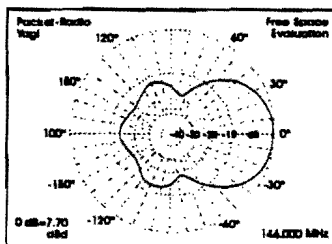
Swiech
 SCS
 communication
 systems

Two Meter Yagi Great for Packet Radio or FM

Measured Gain 7.5 dBd



H-Plane beamwidth 60 deg
 Bandwidth 144.5-147.5 MHz
 SWR < 1.7 at Band Edge
 Impedance 50 ohm
 Silver Plated Teflon SO-239
 Maximum Power 500 Watts
 Chemfilm Treatment On Brackets
 Balanced Matching System
 Two Part RTV Potting
 Black Delrin Insulators



(619) 748-2286
 Gene Swiech, WB9COY

(08-11) YAESU FT5200 144-440 dual band 3mo old 10hrs cost \$700 need larger readout, exchange for 2400 or other mobile (45-50w) + cash; C-64 computer, 1541DD, printer (great for Packet); will demo YAESU FL2100B linear 10-80 + WARC 572B's \$400: Larry W7HKI 439 5855 Ocsd.

(08-10) RTTY machine KSR-35

all SS gears de police dept: Allen 739 1405 Esc. (Info thru Walt Huckabay W6JRQ-1916).

(08-19) ICOM 47H 45w mobile \$100: Tim NM7V 753 3567 Encinitas.

(7-6) Kenwood TS-130S, PS30, AT130 & desk mike w/stand gud condx: Dee N6ELP 753 5647 Encinitas.

(7-6) large selection tubes, sockets pwr supplies, xfmr's, xtals, spkrs, hardware, coils, pots, etc. All priced to move: Lee W6TDC 724 7460 Vista.

(7-5) IBM XT Computer & TNC Gud shape \$125: Tim N6ZUC 735 9125 Esc, also packet 145.07 ESN N6ZUC.

(7-5) 15AH 12v VASA sealed batteries \$5ea: John Sharp 740 5107.

(6-21) ICOM AC bat.chg BC-30 \$25 OBO; Bencher Iambic paddle \$40 OBO; MFJ delux elect keyer MFJ-407B \$40 OBO; Motorola speaker \$5: Curtis N6XXU 727 9254 Vista.

(6-20) C-64 + Packrat best offer; 286 comp + mono + 1M HD \$200; Robot Slow Scan w/camera \$50: Ron AA7GL 549 4207 SD.

(6-13) YAESU FT-890AT w/CW flit \$975; YAESU FT-530 dualband HT + 800MHz \$350, Delux remote headphones MH-29 \$75, FNB-26 HT battery \$50, charger NC-28B \$20, & charger NC-18B \$20; Astron RS-35M 12v DC pwr supply \$130: Abe KC6UQA 432 8222 Esc.

(5-12) PK-232MBX packet data controller (#49679) ex con swbox man 1991 not used four 1.5yrs \$200: Joe N6RVO 433 6885 Ocsd.

 HIGHWAY ELECTRONICS: parts, (new/old) military. Ask 4N1ck, 967-7225 2 C if open (10-3pm), 305 Wisconsin Ave, Ocsd

***** WANTED *****
 "The White Cliffs of Dover"

PARC IS LOOKING FOR THE FOLLOWING ITEMS (old?) FOR THE REPEATER SITE: 30-50' of fencing for tower protection, large & small hammer, axe, small wood saw, paint brushes, crowbar, small scissors, & old garden hoses. We always seem to need some of these items when we don't bring them to the site - W9FQN.

PARC is looking for hanging folders: legal and/or 11" standard. Prefer Pendalflex which will be used to store PARC club documents, technical notes, and equipment diagrams and instruction manuals - WB6IQS 727 3876.

(09-19) ICOM PS-740 or PS-35 power supply: Dennis N6KI 271 6079 SD.

(09-10) ROBOT 800 + keyboard; HAL Tele-reader for RTTY + keyboard; Kenwood 130's Acc., SP120 spker, VFO 120, HS5 Headphones, MC50 mic w/cables & manuals for next I.O.T.A expo; Kenwood 144-220 HT(5+) or mobile (40+); mobile antennas all bands; mobile & base linear (Kenwood?) 922L or ?; Drake MN2000 tuner; small mobile pwr wattmeter/I.O.T.A.: Larry W7HKI 439 5855 Ocsd.

(09-09) WANTED GOOD WOMAN WHO can cook, work 30wpm, Bench test equipment and manage a pile-up. Must have Alpha and Antenna Farm. Please send photo of Antenna Farm! Mike, 8501 Western Dr, Houston, TX 77055-2322 de AA6EE & AMATEUR RADIO TRADER Aug '94.

(09-07) HEATH/SCHLUMBERGER frequency counter for spare parts, Mod SM-110A, SM-110B, or SM-110C: Bob WA6QQQ 723 2700da Flbrk.

(08-20) XCVR for 6m all mode: Alan N6AMR 434 5656 Carlsbad.

(08-16) Schematic &/or service Man. 4 MPI Printmate 350 printer: Dan W2LUK 592 9901 Poway.

(6-10) Hard disk drive for Zenith laptop ZWL-184-97 and manual for ZWL-0200-02: Mike AB6QT 742 1573 P.Mt.

W O R K P A R T I E S W9FQN

REPEATER SITE WORK PARTIES, IF HELD, ARE USUALLY SCHEDULED THE SUNDAY IMMEDIATELY FOLLOWING THE CLUB MEETING ..and as needed. We meet at MOTHER'S KITCHEN on PMT at 10:30am. Please bring a lunch, drinking water, & 5-10gal of water for our little tree seedlings."

NEXT WORK PARTY OCTOBER 9th.

SCHEDULED: grounding, tower work, heliastax runs, painting, site work, repeater modifications,

security work, brushing, etc. Contact W9FQN for info: 749-0276.

#31(8-9) CHUCK-KE6CDJ and STAN-W9FQN painted the inside of the new trailer white and while it still needs more work, the trailer is ready to be taken to the repeater site sometime within a week as long as it is not a Saturday or Sunday when the motorcycles race up and down the Palomar Mountain grade.

#32(8-9) MIKE-AB6QT visited the site and replaced several controller chips which were improperly programed by the designer. This should clear up the problem which we have been having under certain circumstances that forces the Morse code "P" to be sent out when in fact there has been no power outages. From now on the "P" will mean that AC power is now off OR HAS BEEN OFF sometime earlier. The "P" must then be turned off by a control operator ..oops, the "P" is still with us under certain conditions.

#33(9-7) ART-KC6UQH, CHUCK-KE6CDJ, and STAN-W9FQN took the Boy Scout donated 20' trailer to the repeater site without problems except that Stan was somewhat disturbed when Art, who was pulling the trailer with his xyz in 3rd gear, pulled away from his Nissan 4x4 in 3rd gear with his foot shoved to the cooling fan! They just don't make them like they used to.

We will now be able to move LOTS of items out of the repeater buildings to the trailer plus we will have a workbench area or a place for a ham station in the trailer ..if we don't cover it up with junk.

(9-10) Stan-W9FQN visited the Mira Mesa autopatch and re-programmed the computer and then did the same for the La Mesa autopatch. The La Mesa autopatch computer would not accept ALL of the prefixes and so several prefixes were shifted from the La Mesa to the Mira Mesa patch.

#34(9-11) Another beautiful day on the mountain. We couldn't

interest anyone on painting so none of the buildings received their second coat of paint.

A lot of work was done: 1) picked up limbs, brush, and leaves from around several sides of the buildings, 2) a spot was prepared for the new metal (partly underground) building (6.5'x6'), 3) the trailer was jockeyed into position and put on blocks with the wheels removed, 4) untangled some of the heliastax runs, and 5) attached the first 3" flat lightning straps to one of the heliastax runs before leaving the tower (many more need to be done during the next workparty).

We had a good crew and a lot of thanks and credit also goes to: Zac and Dennis, "J"-KD6PBH, Bill-KE6??? , Dave-KD6OBG, & Dave-KC6YSO for a job well done.

John-WB6IQS and Mike-AB6QT worked on the repeaters checking their frequency, deviation, SWR, etc. Everything checked ok. Mike showed everyone the test box he made for the repeater controllers and demonstrated its use.

Stan-W9FQN took all of the new workers on a tour of the repeater site along with Chris-NONDF who brought along Enrique Nunez who was interested in seeing how an "amateur" repeater site looked like.

Bill-KB6MCU came up to work on the ATV and replace an RF amplifier in the emergency repeater for 147.130. He was assisted by Sybil-W6GCI. They found the the repeater was 2kc off frequency.

George-KK6KD brought along his 224.38 workers, Ruben-KB6JGG, Dan-KD6DKM, and Ramon-XE2TRO who also helped with the site cleanup as well as working on their repeater.

John-KE6JOI came up later in the day and stayed to help with the cleanup and closing of the site.

***** N.ARIZ.COLORADO:
FALL FEST Oct 8&9th, Bullhead City Ariz, prizes, raffle, tailgating, dealer booths, demonstrations, food & refreshments, etc. Contact Fred 619-326-5094.

 NATIONAL TRAFFIC SYSTEM (NTS)

 PARC's SAN DIEGO COUNTY
 TRAFFIC NET (SDCTN), which is
 affiliated with the ARRL NTS and
 with the Military Affiliated Radio
 System (MARS), handles large
 amounts of traffic during the
 evening 8pm SDCTN on 146.730.

Our SDCTN is in need of mes-
 sage handlers who can deliver traf-
 fic throughout SDCo by phone or by
 autopatch. Many of our messages
 come to SDCo through the MARS RTTY
 nets and are then transferred over
 to PARC's evening SDCTN.

Sometimes the MARS message
 load is overwhelming and our SDCTN
 needs help in the delivering of
 these messages from our service men
 and women. The following is a sam-
 ple of messages delivered one
 evening. They were not selected for
 their content. They are listed in
 the order of being received.

#1 SWEETHART LET OMBUDSMEN
 KNOW WHATS GOING ON WITH OUR SONS
 HART SURGERY. OMBUDSMEN ALSO HAS TO
 SEND REDCROSS MESSAGE STATING MY
 PRESENCE AND HARDSHIP ITS GOING TO
 CAUSE BOTH OF US. LOVE YOUR HUSBAND
 ARMANDO.

#2 THANKS FOR THE SWEET LOVING
 MESSAGE. LIFE IS MUCH EASIER
 KNOWING THAT YOURE ALWAYS THERE FOR
 ME. SEND PICTURES PLEASE. I CANT
 AND I WONT STOP LOVING YOU AND OUR
 TWO LOVELY KIDS. MISS YOU.

#3 REGARDLESS OF REDCROSS
 MESSAGE SENT BY DOCTOR, IT WILL NOT
 GUARANTY MY PRESENCE IN OUR SONS
 SURGERY. OMBUDSMEN HAS TO SEND
 MESSAGE TOO. PLEASE TELL SHAWNA, I
 LOVE HER, ROB LOVES AND MISSES YOU.

#4 DONT FEEL DEPRESSED
 ALMIGHTY WILL BE WITH MY THOUGHTS
 WITH YOU ALWAYS ALBERT.

#5 I LOVE YOU DARLING, AND I
 MISS YOU TERRIBLY. OUR TIME
 TOGETHER WAS COMPLETELY FANTASTIC.
 ONCE AGAIN YOU REVITALIZED MY
 ATTITUDE AND RECONFIRMED MY
 PRIORITIES. HOPE YOU ARE HANGING IN
 THERE UNTIL TH NEXT TIME.

#6 AUDREY PLEASE SEND PHYSICAL
 ASAP. ASK BALBOA TO SEND IT TO SHIP
 BY MESSAGE. PLEASE ANSWER ME USING

THE MESSAGE GRAM. I LOVE YOU, BYE.

....and on and on!

Some evenings Charles-N6TEP
 (PARC's SDCTN chairman) and crew
 have to handle 20-30 of these mes-
 sages throughout all of SDCo
 although recently most of the traf-
 fic has been Navy and ends up in
 the San Diego area.

Jennifer A. Thieme
KM6WG

Bookkeeper
Accountant

(619) 599-1134

770 Sycamore Ave. #J-126
Vista, California 92083

Need a new QTH
or
want to sell yours?

Call Clara Ziegler
943-8366
to be your agent for
north county coastal
properties

COLDWELL
BANKER &

Expect the best.

R
REALTOR®

Pete W3ARU's XYL

WE NEED OPERATORS TO DELIVER
MESSAGES and we also need people to
 help with the net control duties.

If you can't join the net in
 any way, at least listen in and try
 to help with messages which are

comming to your area of SDCo. We
 are sure that many of you have
 served with our Armed Forces and
 realize the value of communications
 with ones family especially when so
 many of our service men and women
 are young and placed in unfamiliar
 and sometimes dangerous situations.

There are seven NET CONTROLS.
 One for each evening of the week
 and if you have 1-2 evenings a week
 available, we would like to have
 you check into the net. Make sure
 that you get your call on EACH
 evenings roster that you are inter-
 ested in joining since the NC's do
 not share their rosters with each
 other.

Your editor listens in to most
 of the evening SDCTN's but seldom
 checks in except when there is
 traffic within my calling district
 or when there is traffic going to
 some remote part of SDCo that no
 one has spoken for which I can
 deliver by the autopatch.

I probably should check in
 even when there is no traffic that
 I can help deliver since sometimes
 the NC's feel they are the only
 ones on the net with so few check-
 ing into the net.

PARC's SDCTN is one of the
 oldest continous FM traffic nets in
 the USA and has served as a
 training ground for emergency
 traffic handlers in the SDCo area.
 Are you prepared to help with
 EMERGENCY COMMUNICATIONS when the
 "big one" comes? Here is your
 chance to learn what is needed to
 handle traffic and to help the
 public and our service men and
 women. YOU ARE NEEDED!

If you can't check in at least
 one night a week, then try to check
 in on the anniversary of your
 birthday each month. Be patient.
 Our net controls and a few net
 members have handled all of the
 traffic for so long that it might
 take them a while to realize that
 you are out there willing to help.
MAKE YOUR PRESENCE KNOWN!

P.S. There is the possibility
 that PARC's PALBBS packet BBS will
 become involved with the SDCTN
 traffic when it goes into the full

service mode so some of you Packet people can help by picking up some of the traffic listed on the BBS when this happens.

KI6JM/K6HAV - A G O G O - W9FQN

(10-89)(5yrs) ..KB5MU spoke on Satellites ..friction with SANDRA over our 147.135 and their 147.150 repeater interference ..147.135 moved to 147.13 with TASMA approval ..Jo-KB6NMK described the Vail fire near Riverside Co.

(10-84)(10yrs) ..Nash, W6HCD, talked on Solar Power for residential use. W9FQN announced that the tower was up! SCOPE gave a narrative of the erecting of the tower ..with pictures.

59 COMPLETED ?? STARTING 60

The Palomar Amateur Radio Club Inc. was founded in February of 1936 in Escondido with members meeting in members houses throughout North County. Most of their members were in North County and down along the coast to La Jolla.

February of 1995 marks the end of 59 years of club activity and the starting of our 60th year of existence which makes us probably the biggest-oldest amateur radio club in the world.

This brings up an interesting question. Should the club celebrate the start of their 60th year on February 1995 or wait until the 60th year is completed in February of 1996? There might be reasons to observe both celebrations. What do you think?

S.D.Co.TRAFFIC NET(SDCTN) -KJ6QO

How many of you can imagine being away from family and friends, often for months at a time, with only an occasional and expensive phone call home? Every day your mind wanders as you look at a few wrinkled photo's, wondering if everything is going ok. Then you start to imagine what a burden it is for them, being without you. The wor-

ries on their mind as you spend weeks on end in a far away place, one of a dozen trouble spots around the world. Enter Amateur Radio - A three or four minute MARS call can be a lifesaver, and if you don't agree, tune your HF or SW rig to the MARS frequencies and listen to some ongoing patches. In 1993, I spend six weeks in Somalia and was not only making as many DX contacts as possible, (3200 single op), but made over 400 MARS Phone patches. to watch grown men cry, not from sadness, but from the joy of hearing their families and knowing that things are still ok. You could see and feel the boost in moral. Along with SSB, sending MARS radio grams by CW or RTTY provided another link to the outside world. A 30 word message, even days late, was many times the lift that wives and parents needed to help them cope with separation.

The purpose of this note is not to evoke tears, or to take up space in the SCOPE - it is to try and recruit some additional message handlers for the San Diego County Traffic Net (SDCTN). If you can only handle 1 or 2, I'm sure you will feel the silent appreciation of the recipient, and maybe get some satisfaction in knowing you've brought some light into a dark evening. Remember, Amateur Radio is "our" wonderful hobby; but more importantly it is a public service, and that service is a brilliant tribute to the work of countless Hams around the world. 73, Jeff Herbster KJ6QO.

***** CORRECTION *****
EVAC (2nd/4th) at 1900Hrs on 147.13 is on MONDAY EVENING. Not on Tuesday evening as per Oct. SCOPE.

- P I C N I C -

PARC's picnic at Dixon Lake had 63 names on the sign-in sheet although Barbara-KA6FPS counted over 75 in attendance. Most of those attending participated in seminars on PARC's autopatch system, DFing, hidden transmitter hunting, while others rag chewed, had their rigs tested by Art-

KC6UQH, or checked out John-KC6UQH's portable packet set up ..and others walked down to the lake.

Winners of the prizes given out on the basis of tickets earned through participating in club activities were:

A)BOOKS: David-KC6YSO (donated to Fallbrook HS), Sybil-W6GIC, Anita-KB6YHY, Ken-N6ALA, Mike-AB6QT, Pat-WA6MHZ, Mark-AA6TR, and ??

B)\$CERTIFICATES: \$100-Tim-N6ZUC, \$50-Nash-W6HCD, \$25-Mark-N6NNI, \$25-Bill-KC6YOX, and \$25-??

The two 1994 Callbooks were donated by HRO in Claremont Mesa while the five ARRL books came from our Southwest Division Director, Fried Heyn-WA6WZO.

A great big thanks goes to John-KE6CDH who was picnic chairman, Art-KB6YHZ who was responsible for the coffee and utensils, Art-KC6UQH (testing), and Stan-W9FQN (patch & DFing). Thanks to everyone who brought good food and to those who arranged the serving table. It all was appreciated.

Each member attending received one activity point for the '95 picnic!

M E X I C O HAM/CB N6GNB

A "Mexican" CB license is required and costs \$13/yr at the office of Oscar Revire, Administry of Communication and transportation, #48 Mar De Corter (Lomas Del Por Vinir) in Tijuana with a phone of 011-5266-803626. A CB radio can be confiscated if it is in a vehicle in use or not. The intent is there.

The license must be purchased in person using the proper ID with CASH. It is suggested that when crossing the border, ask the border officer what CB Ch is best to use to keep out of trouble as the local police and government officers use CB for communication. More info next time.

 SCOPE COSTS W9FQN

Effective 12:01am, Oct 2, '94, one section of the Second-Class Mail rates will increase for mail inside SDCo from 8.4c/SCOPE to 8.8c/SCOPE.. There is a reduction in another section for out of SDCo going from 23.7c/SCOPE to 21c/SCOPE. The net effect for the September mailing would have been a saving of \$.65 in the total cost of mailing the SCOPE. It should be noted that the cost of sending SCOPEs outside the county is about three times that of in the county.

Each SCOPE of 12 pages costs 34c. This would result in a yearly cost of \$6.60 for those receiving the SCOPE outside SDCo. The cost for those in SDCo would be \$5.14. It costs PARC \$1.46 more per year per member for those outside of SDCo. All of this does not take into account approximately \$800 of advertising published by the SCOPE each year.

Each year PARC sends out approximately \$200 worth of "free" SCOPEs to prospective members, newsletter exchanges, and requests.

Various ideas have been put forward to reduce SCOPE costs by taking advantage of free printing offers by club members where we only pay paper and ink costs but in the final analysis to change what we are now doing would require a lot of extra effort on the part of many club members who would have to do the work that PARC is now paying for at what we think is the "cheapest" rate in town at COPY WORLD in Escondido: printing, collating of 12 pages, and one staple in the upper left corner.

Advertising is a source of extra revenue which helps pay the cost of the SCOPE. Rates are \$40/pg down to \$5/business size Ad per issue. This used to contribute greatly towards the cost of the SCOPE. A business card Ad used to buy 22 lines of printed space and go out to 200 members. Now that 22 lines goes out to 800 members meaning that each business card Ad used

4,400 lines of advertising space each issue where now each business card Ad must use 17,600 lines with the cost of the Ad remaining \$5. There will come a point when the \$5 business card Ad will ONLY pay for the paper it is printed on with nothing going to PARC to help with the SCOPE.

With the present limit of 12 pages per issue, selling more Ads would probably only reduce the space for club activities.

**REGISTERED
 U.S. PATENT ATTORNEY**

723-0620

Loyal M. Hanson - W9WV
 Fallbrook, California

On the average it costs PARC approximately 13.5c/3-col line to produce each year while the advertiser is paying approximately 23c/3-col line. The difference between these two numbers is the "profit" for selling an Ad for an 800 member club. If our membership goes up to 1,350, then PARC's costs soar to 23c/3-col line and the advertiser is only paying for the paper he is using with nothing left over to reduce SCOPE costs.

1st, we could increase the price of each Ad which might cause advertisers to end their relationship with PARC. 2nd, we could reduce the size of each Ad while still retaining the important advertising information. 3rd, we could reduce the number of pages in the SCOPE from 12 to 10 or 8. 4th, we could do without an issue or

publish one issue covering two months in the Spring. 5th, we could send out 2-4 issues with nothing more than our regular ads and meeting notices. 6th, we can reduce the size of the type by half and use only 6 pages! 7th, or do nothing since we are "surviving" as it is.

Ads help pay for the SCOPE, help club members with the selling of their services or items, and helps club members select someone to do business with that they can trust better than the general public.

At present, your \$12 club dues goes towards the SCOPE and the general operation of the club with very little (if any) going towards the repeater site equipment and Field Day equipment. Dues money is used for insurance, all phone lines, all electricity, maintenance of club property, and supplies.

The repeater site equipment and Field Day equipment are funded thru sales of donated items, 10% sales, rentals, \$-donations, ads, goodie table, etc. and at the end of the year anything left of your dues is added to the equipment fund (nothing this year).

There is no plan on increasing club dues but we are looking at ways of reducing club expenses and increasing club revenue. PARC's venture into the Oceanside Swap Meet did not pan out. It would have added greatly to the club's extra income allowing us push forward on several projects more rapidly.

***** SDCTN FLASH:
 PARC's SDCTN National Traffic Net needs someone to be net control on Wednesday evenings at 8pm. No experience necessary. Lots of On The Job training. PLEASE, WE DO NEED HELP!

**Join other Amateurs - help
 the physically handicapped
 be Licensed Amateurs**



Courage HANDI-HAM System
 Courage Center
 3915 Golden Valley Road
 Golden Valley, Minnesota 55422

PARC Membership Application

AMATEUR CALL
CLUB MEMBERSHIP? ☐ NEW ☐ RENEW
ARRL MEMBER? ☐ YES ☐ NO
LAST NAME
FIRST NAME
STREET ADDRESS
CITY
STATE ZIP
HOME PHONE
WORK OR OTHER PHONE
HAM LICENSE EXPIRES
FAMILY MEMBERSHIP (List other calls and names)
CLASS OF LICENSE N T T+ G A E

Mail this form with your check to PARC, P.O. Box 73, Vista, CA 92085-0073 or hand to membership chairman at club meetings. We prefer checks to cash, it's safer and you have a record. Dues are \$12 a year which includes \$3 for the Scope, or \$21 for a family all at the same address. Consider paying for two or three years at a time to reduce the work for the membership chairman.

Name, call and complete address are required. Telephone number is requested but may be unlisted in roster if you prefer.

For notification of acceptance and an autopatch information and code sheet send SASE with application or the receipt of the next newsletter mailed the last week of each month will be your only notification.

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

NEWSLETTER HELPERS SEP. SCOPE:
 K16JM, Jack Hanthorn, Folding, Refresh
 N6WQR, Bernice Rosenberg, Folding
 KB6YHZ, . Art Nye, . Folding
 WA6UTQ, . Larry Ruegseger, Folding
 WA6Y00, . Harry Hodges, . Staples
 KB6YHY, . Anita Nye, . Labels
 KB6NMK, . Jo Ashley, . Labels
 KC6WAN, Ralph Powell, Printing, Labels
 Editor: Stan-W9FQN 30311 Circle R Ln
 Valley Center, CA 92082-4806
 749-0276, 11:30am or 9:45pm

*** E L M E R S *** (call for info)
 CARDIFF, . Duane-WB6R, 753.4821
 CARLSBAD, . Ron-KM6MW, 436.6908
 CHULA VISTA, . Steve-N6RUV, 422.4415
 ESCONDIDO PresHarry-WA6Y00, 743.4212
 La MESA, . Roger-N6UW, 697.6025
 LAKESIDE, . Mac-WB6GXR, 561.2211
 RAMONA, . Vern-AA6UU, 789.3070
 SAN DIEGO, . Dennis-N6KI, 271.6079
 SAN MARCOS, . Ralph-KC6WAN, 727.7415
 VISTA, . . . Jack-KI6JM, 598.0420
 SAN MARCOS, . Rusty-AA6OM, 747.5872
 Prospective amateurs ONLY can call
 1-800-32-NEW-HAM @ the ARRL Hdq
 8am-5pm ET M-F for Ham Info.

----- I N S I D E -----

Pg. 1 Frequencies, Calendar, Next Meeting, PALBBS, AUCTION, etc
 Pg. 2 Board, Last Mtg, ... Ad
 Pg. 3 Pres.QRM, Membership, HRO Ad
 Pg. 4 Election Information, ...
 Pg. 5 Repeaters, ... Ad
 Pg. 6 Patch, Ownership, News, ...
 Pg. 7 For Sale, Wanted, ... Ad
 Pg. 8 Work Parties, Ariz/Col FunFest
 Pg. 9 National Traffic System, . Ad
 Pg. 10 AGOGO, 59760, Cor, Picnic, Mexico
 Pg. 11 SCOPE costs, SDCTN Flash, . Ad

SCOPE, US Post Office #076530
 Published by: --- PARC, Inc. ---
 Postmaster: Send changes to SCOPE
 PO Box 73, Vista, CA 92085-0073

Radio Fun

2nd Class
 Postage paid
 at Vista CA
 92085 - 9998

BUY

AUCTION

SELL



Vista	Mira Mesa	La Mesa	Fallbrook	Membership Expires	License Expires
Palomar Mountain				PRC yy mm	LX yy mm

Phone Codes
 Deliver To